

## INTERNATIONAL SEARCH REPORT

PCT/US04/32164

A CLASSIFICATION OF SUBJECT MATTER  
IPCto) C12Q 1/68, C12P 19/34, C07H 21/02  
US CL 435/6, 912, 536/23 1

According to International Patent Classification (IPC) or to both national classification and IPC

## B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U S 435/6, 912, 536/23 1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

## C DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	TABOR et al DNA sequence analysis with a modified bacteriophage T7 DNA polymerase J Biol Chem 15 May 1990, Vol 265, No 14, pages 8322-8328, see entire document	1, 2, 7-11, 22, 25-27
Y		3-6, 12-21, 23, 24, 28-63
Y	NORDSTROM et al Method enabling pyrosequencing on double stranded DNA Anal Biochem 2000, Vol 282, pages 186-193, see entire document	1-63
Y	US 2003/0049628 A1 (KAMBARA et al) 13 March 2003 (13 03 2003), see entire document	1-63
Y	US 5,332,666 (PROBER et al) 26 July 1994 (26 07 1994), see entire document	1-63
Y	WO 94/05797 A1 (KISELEV et al) 17 March 1994 (17 03 1994), see entire document	1-63



Further documents are listed in the continuation of Box C



See patent family annex

* Special categories of cited documents	* T
"A" document defining the general state of the art which is not considered to be of particular relevance	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
O document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

05 January 2006 (05 01 2006)

Date of mailing of the international search report

08 FEB 2006

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INTERNATIONAL SEARCH REPORT

PCT/US04/32164

Continuation of B. FIELDS SEARCHED Item 3:

EAST, MEDLINE, CAPLUS, SCIENCEDIRECT

search terms: pyrophosphatase, alkaline, phosphatase, exonuclease, DNA, sequencing, PCR, bacterial, thermostable, mammalian, acyclo, ddNTP, ddATP